

L Number	Hits	Search Text	DB	Time stamp
1	1798	((138/97) or (138/98) or (138/104) or (138/112)).CCLS.	USPAT; US-PGPUB	2004/03/03 08:56
2	180437	strain	USPAT; US-PGPUB	2004/03/03 08:56
3	141949	gauge	USPAT; US-PGPUB	2004/03/03 08:56
4	682054	heating	USPAT; US-PGPUB	2004/03/03 08:56
5	1073098	element	USPAT; US-PGPUB	2004/03/03 08:56
6	809317	electric	USPAT; US-PGPUB	2004/03/03 08:56
7	22055	barb or barbs or barbed	USPAT; US-PGPUB	2004/03/03 08:56
8	77405	liner	USPAT; US-PGPUB	2004/03/03 09:03
9	470262	pipe or conduit	USPAT; US-PGPUB	2004/03/03 09:03
10	4282	liner with (pipe or conduit)	USPAT; US-PGPUB	2004/03/03 09:03
11	12381	strain with gauge	USPAT; US-PGPUB	2004/03/03 09:03
12	62104	heating with element	USPAT; US-PGPUB	2004/03/03 09:03
17	309	((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (liner with (pipe or conduit))	USPAT; US-PGPUB	2004/03/03 09:04
13	9	(liner with (pipe or conduit)) and (strain with gauge)	USPAT; US-PGPUB	2004/03/03 09:04
15	3	((liner with (pipe or conduit)) and (strain with gauge)) and ((liner with (pipe or conduit)) and (heating with element))	USPAT; US-PGPUB	2004/03/03 09:07
14	217	(liner with (pipe or conduit)) and (heating with element)	USPAT; US-PGPUB	2004/03/03 09:07
22	18	("5318122" "5361843" "5388648" "5390742" "5462120" "5680901" "5715891" "5829520" "5875847" "5944107" "5944108" "5979560" "6053254" "6056059" "6065543" "6079495" "6158513" "6189616").PN.	USPAT	2004/03/03 09:09
16	71	(liner with (pipe or conduit)) and (barb or barbs or barbed)	USPAT; US-PGPUB	2004/03/03 09:15
18	6	((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (strain with gauge)	USPAT; US-PGPUB	2004/03/03 09:24
23	70	((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and strain	USPAT; US-PGPUB	2004/03/03 09:24
19	37	((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (heating with element)	USPAT; US-PGPUB	2004/03/03 09:28
21	19	((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (barb or barbs or barbed)	USPAT; US-PGPUB	2004/03/03 09:31
20	213	((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and electric	USPAT; US-PGPUB	2004/03/03 09:39
24	332	((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (strain with gauge)) or (((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (heating with element)) or (((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and electric) or (((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (barb or barbs or barbed)) or (("5318122" "5361843" "5388648" "5390742" "5462120" "5680901" "5715891" "5829520" "5875847" "5944107" "5944108" "5979560" "6053254" "6056059" "6065543" "6079495" "6158513" "6189616").PN.) or (((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and strain)	USPAT; US-PGPUB	2004/03/03 09:39

25	239	(((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (liner with (pipe or conduit))) not ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (strain with gauge)) or ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (heating with element)) or ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and electric) or ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (barb or barbs or barbed)) or ((("5318122" "5361843" "5388648" "5390742" "5462120" "5680901" "5715891" "5829520" "5875847" "5944107" "5944108" "5979560" "6053254" "6056059" "6065543" "6079495" "6158513" "6189616").PN.) or ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and strain)))	USPAT; US-PGPUB	2004/03/03 09:49
26	4	("3294121" "4786345" "5108533" "5395472").PN.	USPAT	2004/03/03 09:42
27	15	("3025606" "3254012" "3971416" "4009063" "4135958" "4273605" "4288654" "4554650" "4581085" "4714095" "4770562" "4956038" "4972880" "5010440" "5167258").PN.	USPAT	2004/03/03 09:47
28	571	(((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (liner with (pipe or conduit))) or ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (strain with gauge)) or ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (heating with element)) or ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and electric) or ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (barb or barbs or barbed)) or ((("5318122" "5361843" "5388648" "5390742" "5462120" "5680901" "5715891" "5829520" "5875847" "5944107" "5944108" "5979560" "6053254" "6056059" "6065543" "6079495" "6158513" "6189616").PN.) or ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and strain)))	USPAT; US-PGPUB	2004/03/03 09:49
29	1245	(((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) not ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (liner with (pipe or conduit))) or ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (strain with gauge)) or ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (heating with element)) or ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and electric) or ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and (barb or barbs or barbed)) or ((("5318122" "5361843" "5388648" "5390742" "5462120" "5680901" "5715891" "5829520" "5875847" "5944107" "5944108" "5979560" "6053254" "6056059" "6065543" "6079495" "6158513" "6189616").PN.) or ((((((138/97) or (138/98) or (138/104) or (138/112)).CCLS.) and strain)))	USPAT; US-PGPUB	2004/03/03 09:50
32	65	("1304036" "1930285" "2280140" "2440245" "3184958" "3299417" "3339415" "3471177" "3489438" "3547161" "3581776" "3626987" "3907336" "3933182" "3991834" "4220179" "4274549" "4321110" "4332170" "4386269" "4450711" "4529009" "4554650" "4644780" "4651893" "4667505" "4676563" "4683944" "4693279" "4700751" "4756339" "4804020" "4805444" "4836305" "4920786" "4924949" "4932257" "4965036" "5040408" "5060509" "5072622" "5127441" "5129428" "5172730" "5222769" "5305798" "5327945" "5327949" "5333490" "5335872" "5343738" "5395472" "5409561" "5454419" "5469891" "5490419" "5497809" "5546992" "5551484" "5611373" "5743299" "5778938" "5831149" "5865216" "6220079").PN.	USPAT	2004/03/03 09:50

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1	US 5967192 A	138/98	138/96R; 138/97	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	US 4501337 A	175/171	175/61; 175/73	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	US 200300759 19 A1	285/21.1	285/368	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	US 6464001 B1	166/117.5	166/50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	US 5606997 A	138/98	138/97; 156/287; 264/36.16; 264/449	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	US 5388616 A	138/98	138/104; 264/269	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	US 4054473 A	156/71	156/273.7; 156/273.9; 156/274.2; 156/294; 156/304.2; 156/304.3; 156/304.6; 209/535	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	US 200100171 63 A1	138/98	138/115; 156/294; 264/269	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	US 6634388 B1	138/114	138/104; 138/116; 73/49.5; 73/49.7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10	US 6601600 B1	137/15.04	137/15.05; 137/312; 138/114	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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11	US 6513590 B2	166/181	166/125; 166/155; 166/177.3; 166/327	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12	US 6311730 B1	138/98	138/114; 138/115; 138/97; 156/287; 174/47; 264/269; 405/150.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13	US 5595800 A	428/36.3	428/34.1; 428/34.5; 428/34.6; 428/34.7; 428/36.91; 428/36.92	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	US 5469916 A	166/64	138/104; 166/66; 166/66.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	US 6523574 B1	138/98	138/97	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	US 6305427 B1	138/125	138/104; 138/137	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	US 4818314 A	156/87	138/105; 138/140; 138/97; 156/287; 156/94; 264/229; 264/36.17; 264/516; 29/450	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	US 4554650 A	367/154	138/103; 138/104; 138/174; 174/47; 367/155; 367/169	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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19	US 4552166 A	137/15.04	137/15.11; 137/312; 137/386; 137/429; 137/587; 138/104; 138/93; 220/567.1; 220/901; 220/918; 405/129.57; 405/52	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	US 5560395 A	138/98	138/141; 156/294; 428/36.2; 428/36.8; 428/36.91	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	US 200300005 91 A1	138/108	138/104; 138/114; 138/98	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	US 5551484 A	138/104	138/125; 138/172; 138/DIG.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	US 4029889 A	174/11R	138/103; 138/104; 138/DIG.6; 174/107; 174/110FC; 174/115; 324/519; 324/533; 324/534; 324/541; 324/544; 340/605	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	US 200301364 55 A1	138/98	138/97; 264/36.16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	US 6644356 B1	138/98	138/97; 405/184.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	US 6463960 B1	138/98	138/115; 174/47	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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27	US 6199591 B1	138/98	138/97; 156/287; 264/269; 264/516; 405/150.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28	US 6146491 A	156/344	138/97; 156/294; 156/423; 264/269; 264/516	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	US 5395472 A	156/287	138/114; 138/148; 138/97; 156/292; 156/294; 264/230; 264/516; 264/573; 405/146; 405/184.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	US 5108533 A	156/294	156/287; 156/423; 264/269; 264/573	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31	US 6105619 A	138/98	138/97; 156/287; 264/269; 264/516	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32	US 5778938 A	138/98	138/104; 138/111; 138/114; 138/97; 156/287; 264/269	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33	US 5743299 A	138/98	138/104; 138/111; 138/114; 156/287; 264/269; 73/49.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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34	US 5546992 A	138/98	138/104; 138/111; 138/114; 156/287; 264/269; 73/49.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35	US 5305798 A	138/98	138/104; 138/97; 264/269; 29/402.09; 405/184.1; 405/184.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36	US 5172730 A	138/104	138/103; 138/178; 138/98; 174/11R; 405/154.1; 405/157; 405/184.1; 405/52; 73/40.5R; 73/49.1; 73/49.5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37	US 6220079 B1	73/37	73/40.5R; 73/865.8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38	US 4220179 A	138/113	138/114; 138/148; 138/149; 138/38; 505/883; 505/886	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39	US 200300797 88 A1	138/112	138/113; 138/155	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40	US 200300568 45 A1	138/127	138/104; 138/130; 138/135; 138/144	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>